



NATIONAL SCIENCE FOUNDATION

ANNOUNCEMENT NUMBER S20020088-IPA DIRECTOR, DIVISION OF CIVIL AND MECHANICAL SYSTEMS (CMS)

The National Science Foundation is seeking qualified candidates for the position of Director, Division of Civil and Mechanical Systems (CMS), Directorate for Engineering (ENG). In addition to seeking candidates who are interested in appointment on a Senior Executive Service career basis (S20020088-C) or limited term basis (S20020088-LTD), NSF is also inviting individuals who might be interested in an Intergovernmental Personnel Act assignment to submit an application. A statement of duties of the position and a list of qualification requirements are included below and on the reverse side of this announcement.

Initial assignments under the IPA mechanism may be made for a period of up to two years. Individuals eligible for an IPA assignment with a Federal agency include employees of State and local government agencies or institutions of higher education, Indian tribal governments, and other eligible organizations in instances where such assignments would be of mutual benefit to the organizations involved. The individual remains an employee of the home institution and cost-sharing arrangements are generally negotiated between NSF and the home institution. **Individuals interested in an IPA assignment should submit curriculum vitae or Federal application form and a letter referencing qualifications to the following address:**

**National Science Foundation
Division of Human Resource Management
Executive Personnel
ATTN: S20020088-IPA
4201 Wilson Boulevard, Room 315
Arlington, VA 22230**

The closing deadline for receipt of applications is May 17, 2002.

Applications may be transmitted electronically to execsrch@nsf.gov, mailed or delivered to the following address: National Science Foundation, Division of Human Resource Management, Executive Personnel, Room 315, ATTN: S20020088-IPA, 4201 Wilson Blvd., Arlington, VA 22230. The phone number for vacancy announcements coordinated by the Executive Personnel Staff is (703) 292-8755; hearing impaired individuals should call TDD on 703-292-8044. Persons interested in the Senior Executive Service appointment options should request copies of announcements S20020088-C and S20020088-LTD for additional information and application instructions. Announcements may be accessed electronically under Vacancies on NSF's Homepage <http://www.nsf.gov/home/menus/jobs.htm>. Information on the NSF mission, structure, programs and operations may be found at <http://www.nsf.gov>. The National Science Foundation provides reasonable accommodations to applicants with disabilities on a case-by-case basis. If you need a reasonable accommodation for any part of the application and hiring process, please notify the point of contact located on this vacancy announcement.

STATEMENT OF DUTIES: As Division Director, serves as a member of the ENG Directorate leadership team and as the Foundation's principal spokesperson in the areas of research and education involving civil and mechanical engineering, structural systems and materials, and earthquake and other natural and man-made hazard mitigation. Implements, in a divisional context, overall strategic planning and policy setting; provides leadership and guidance to Division staff members; determines funding requirements; prepares and justifies budget estimates; balances program needs; allocates resources; oversees the evaluation of proposals and recommendations for awards and declinations; and represents NSF to relevant external groups. Fosters partnerships with other Divisions, Directorates Federal agencies, professional scientific and engineering organizations, and the academic community.

**NSF IS AN EQUAL OPPORTUNITY EMPLOYER COMMITTED TO EMPLOYING A HIGHLY
QUALIFIED STAFF THAT REFLECTS THE DIVERSITY OF OUR NATION.**

(Continued on reverse side of announcement)

DIRECTOR, DIVISION OF CIVIL AND MECHANICAL SYSTEMS (CMS)

QUALIFICATIONS REQUIREMENTS

EXECUTIVE/MANAGERIAL

Essential

1. **Leading Change.** Demonstrated ability to develop and implement an organizational vision that integrates key national science, technology, and education goals. Includes understanding of the relative roles and relationships of Federal, academic and private organizations involved in the conduct and support of engineering research and education. Includes the ability to formulate effective program strategies consistent with the overall goals of the organization.
2. **Leading People.** Demonstrated ability to achieve organizational objectives by creatively managing and motivating staff. Includes the ability to promote quality through the effective use of performance standards and assessment. Includes leveraging diversity and other differences, promoting developmental opportunities, fostering commitment and team spirit, and constructively resolving conflicts.
3. **Results Driven Leadership.** Demonstrated knowledge and ability in planning, prioritizing, and coordinating both disciplinary and multidisciplinary engineering research programs. Includes the ability to make timely and effective decisions, to produce results through strategic planning, the implementation and evaluation of programs and policies, and to balance complex and diverse program demands within available resources.
4. **Business Acumen.** Demonstrated ability to utilize human, financial, material, and information resources in a manner that instills public trust and accomplishes the organization's mission and to take advantage of new technologies to enhance the effectiveness of decision making. Includes demonstrated ability in recruiting and selecting staff, allocating financial resources, and managing budgetary processes.
5. **Building Coalitions/Communication.** Demonstrated ability to serve as the senior spokesperson for a major organization involved in the support of engineering research and education and to foster partnerships. Includes the ability to coordinate organizational strategy and initiatives with representatives of the engineering and scientific communities, including academic researchers and those responsible for the administration of research and educational institutions. Includes ability to interact constructively with Federal officials, representatives of professional organizations and the public sector.

Desirable

1. Demonstrated ability to achieve organizational goals through effective and innovative management approaches emphasizing interdisciplinary coordination and teamwork.

Essential

PROFESSIONAL/TECHNICAL

1. Ph.D. or equivalent professional experience or a combination of education and equivalent experience in an engineering discipline such as civil or mechanical engineering, materials, or structures.
2. Substantial research contributions and strong evidence of scholarship in civil and /or mechanical engineering, as evidenced in publications, or innovative leadership in research administration.
1. Broad understanding of universities and other institutions where engineering research and education is conducted.

Desirable

1. Demonstrated broad knowledge of diverse fields of engineering.
2. Demonstrated knowledge of relevant academic community and recognized professional standing in the scientific community as evidenced by publications and/or professional leadership and awards.
3. Knowledge of grant and contract administration, fiscal management, and budget preparation with experience in scientific research support.